

REMARKS/ARGUMENTS

This Amendment is being filed in response to the Office Action dated June 18, 2007 which has been reviewed and carefully considered. Reconsideration and allowance of the application in view of the amendments made above and the remarks to follow are respectfully requested.

Applicants thank the Examiner for acknowledging receipt of papers submitted under 35 U.S.C. §119(a)-(d) and that said papers have been made of record. However, the Applicants respectfully request acknowledgement of the certified copies of all the priority documents and of the claim for priority.

Claims 1-9 remain in the Application. Claims 1 and 8 are independent claims. Applicants reserve the right to reintroduce subject matter deleted herein at a later time during the prosecution of this application or continuing applications.

By means of the present amendment, claims 1 and 6-8 and the Abstract have been amended for non-statutory reasons, such as for better form including beginning the independent claims with 'A' and other informalities. By these amendments, the claims were not amended in order to address issues of patentability and Applicants respectfully reserve all rights under the Doctrine of Equivalents.

By means of the present amendment, the current Abstract has been deleted and substituted with the enclosed New Abstract which better conforms to U.S. practice.

Claims 1-5 and 7-9 are rejected under 35 U.S.C. §102(b) by U.S. Patent No.

5,264,736 (Jacobson). Claim 6 is rejected under 35 U.S.C. §103(a) over Jacobson in view of U.S. Patent No. 6,441,673 (Zhang). It is respectfully submitted that the claims are allowable over Jacobson alone and in view of Zhang for at least the following reasons.

Jacobson is directed to metal oxide semiconductor field effect transistor (MOSFET) resonant gate driver circuit 10 having a large inductor 18 coupled between and in series with two switching transistors 14 and 16 respectively. The two switching transistors 14 and 16 connect via the inductor to a power MOSFET 26 (see, Abstract, FIG. 1). FIGs. 2 and 3 of Jacobson are merely equivalent circuit diagrams for turn-on and turn-off, respectively, of the power MOSFET 26 shown in FIG. 1.

In Jacobson, when MOSFET switch 14 turns on as shown in FIG 2, current i_{q1} from the MOSFET switch 14 flows towards the inductor 18 and current i_{dq2} from MOSFET switch 16 flows towards the inductor 18 (see, FIG 2). When MOSFET 16 turns on as shown in FIG 3, current i_{q2} flows towards the MOSFET switch 16 and current i_{dq1} flows towards MOSFET switch 14 (see, FIG 3).

In either case in Jacobson, current is either flowing from both switches towards the inductor 18 or from the inductor to both switches. In Jacobson, the current is not flowing from the first switch across the inductor to the second switch or from the second switch across the inductor to the first switch as required by claim 1 of the present application.

Accordingly, It is respectfully submitted that the method of Claim 1 is not anticipated or made obvious by the teachings of Jacobson. For example, Jacobson does not disclose or suggest, a method that amongst other patentable elements, comprises (illustrative

emphasis provided) "pre-charging the inductor by current flowing from the first switch across the inductor to the second switch or from the second switch across the inductor to the first switch before a switching of the second switch" as required by claim 1 and as substantially required by claim 8.

This feature is nowhere disclosed or suggested in Jacobson. Zhang is cited to allegedly show other features and does not remedy the deficiencies in Jacobson.

Based on the foregoing, it is respectfully submitted that independent claims 1 and 8 are patentable over Jacobson alone and in combination with Zhang and notice to this effect is earnestly solicited. Claims 2-7 and 9 respectively depend from one of claims 1 and 8 and accordingly are allowable for at least this reason as well as for the separately patentable elements contained in each of the claims. Accordingly, separate consideration of each of the dependent claims is respectfully requested.

Applicants have made a diligent and sincere effort to place this application in condition for immediate allowance and notice to this effect is earnestly solicited.

Respectfully submitted,

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